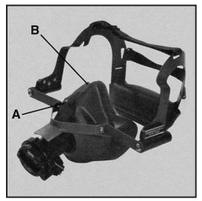
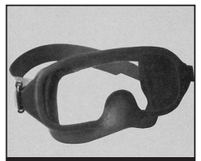
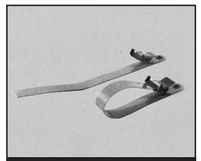
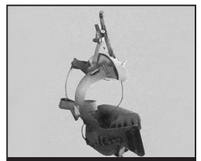
VENT-VALVE SYSTEM

In emergency situations where smoke or noxious fumes are present, the smoke goggle cavity could become contaminated and reduce the effectiveness of air crew personnel. The AVOX Systems Vent-Valve System, in conjunction with the regulator emergency pressure feature, is designed to combat this problem. Operated by a manual push-pull control knob (A) located on the nosepiece of the mask, the vent-valve (B) diverts a small flow of oxygen from the mask into the goggle area, thereby raising the pressure and purging smoke or fumes to ambient.




322-70


358-643C


00-5989

Accessories	Part No.	Description
Smoke Goggles Weight: .34 lbs. (156 g)	322-70	Provides panoramic viewing and fits over eyeglasses. Designed for use with the folding Quik-Don® and Spe-Don Masks.
Smoke Goggles Stowage Bag	322-79	The Smoke Goggles Stowage Bag is made of Nomex and will protect goggles from scratches and dust.
Smoke Goggles with Stowage Bag	322-80	The Smoke Goggles and Stowage Bag can be ordered together with this part number.
Quick Release Holding Strap Weight: .09 lbs. (42.5 g)	358-643C	The quick-release mask holder strap provides secure mounting of the oxygen mask in stowed position while permitting rapid mask removal during donning procedure.
Dust Cover Weight: .031 lbs. (14 g)	00-5989	The dust cover (when used with the 358-643C) protects the inside of the mask face-piece from dust, dirt, and contaminants while in the stowed position and releases automatically when the mask is removed during the quick donning procedure.

Regulator	
802730 Series and 802601 Series. Both TSO-C89 approved.	
802730 Series	**802601 Series**
Inlet Pressure: 50-90 psig*	Inlet Pressure: 55-70 psig*
Flow: 100 lpm, ATPD*	Flow: 100 lpm, ATPD*
Maximum Cabin Altitude: Normal Oxygen: 40,000 ft. 100% Oxygen: 40,000 ft.	Maximum Cabin Altitude: Normal Oxygen: 20,000 ft. 100% Oxygen: 40,000 ft.
Optional Emergency Pressure: 1.7 inches of water, nominal mask pressure, remains positive to 100 lpm flow	Optional Emergency Pressure: 1.7 inches of water, nominal mask pressure, remains positive to 100 lpm flow
Weight: 1.9 lbs. (862 g) typical assembly, Quick-Don® Mask with 60" hose	Weight: 1.8 lbs. (816 g) typical assembly, Quick-Don® Mask with 60" hose
Swivel Kit for Hose Connection: P/N 804436-01	
*Aircraft oxygen supply system must be compatible with regulator inlet pressure and flow.	

WARNING

IMPROPER USE OR IMPROPER MAINTENANCE OF THIS EQUIPMENT MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

THIS EQUIPMENT IS INTENDED TO BE USED ONLY FOR AVIATION APPLICATIONS AND IS TO BE USED ONLY BY, OR UNDER THE SUPERVISION OF, A PILOT OR CREW MEMBER TRAINED AND QUALIFIED IN ITS USE.

THIS EQUIPMENT IS TO BE SERVICED ONLY IN ACCORDANCE WITH THE APPLICABLE COMPONENT MAINTENANCE MANUAL AVAILABLE FROM AVOX SYSTEMS AND ONLY BY SERVICE TECHNICIANS TRAINED IN THE INHERENT HAZARDS OF HIGH PRESSURE AVIATION OXYGEN AND KNOWLEDGEABLE IN THIS EQUIPMENT. THE NAMES OF AUTHORIZED SERVICE CENTERS ARE AVAILABLE FROM AVOX SYSTEMS OR YOUR AUTHORIZED AVOX SYSTEMS DISTRIBUTOR.

THIS EQUIPMENT IS TO BE USED ONLY WITH AVIATOR'S BREATHING OXYGEN MEETING THE REQUIREMENTS OF MIL-PRF-27210.

ZODIAC

AVOX Systems

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www.avoxsys.com

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Oxygen and life support

359 Series
Crew Oxygen Breathing System

The AVOX Systems 359 Series Crew Oxygen Breathing System includes two different mask suspensions and two different types of mask-mounted regulators providing breathing protection to a cabin altitude of 40,000 feet. Any of the masks can be combined with either of the regulators to best satisfy the aircraft, FAA, and TSO requirements.

ZODIAC

AVOX Systems

AS 9100B BUREAU VERITAS Certification N° 180508

SAE AS9100

AIRCRAFT SYSTEMS SEGMENT

AVOX Systems

359 Series Crew Oxygen Breathing System

ORDERING INFORMATION

The AVOX Systems 359 Series Crew Masks are available with two types of head harness suspensions: the folding Quik-Don® type and the Spe-Don® type. The folding Quik-Don® offers easy one hand donning. The Spe-Don Mask with a flexible strap suspension is intended for use in applications where the quick donning requirement is not FAA mandated. All masks use a silicone rubber facepiece with an extra wide face seal flange designed for additional comfort, and a formed plastic outer shell to which the suspension is attached. All 359 Series Crew Masks are TSO-C78 approved. To assure the mask is ideally suited to your purpose, write the individual part number from each column of the building block in the appropriate boxes. Use the resulting complete Part Number to order.

Basic Series Number 359 [ ] [ ] [ ] [ ] [ ]

Mask & Suspension

- 1 — 358-1445V-01 Folding Quik-Don® Wide with Vent-Valve
- A — 358-1449V-01 Folding Quik-Don® with Vent-Valve
- B — 358-1449V-02 Folding Quik-Don® with Vent-Valve (Special Harness for USAF)
- C — 358-1449V-03 Folding Quik-Don® with Vent-Valve (Special Harness for USAF)

- 6 — 358-1448V-01 Spe-Don® Wide with Vent-Valve
- 8 — 358-1490V Horse Collar Style Mask & Head Harness with Vent-Valve (Not Shown)
- 9 — 358-1448V-03 Spe-Don® Wide with Vent-Valve and Pull-The-Dot Fastener

Note: Masks have not been FAA/TSO qualified for wear over beards or heavy facial hair growth. Facial hair that crosses sealing surfaces can seriously degrade the performance of these masks.

Microphone

- 0 — No Microphone 802739-01 Hole Plug Kit
- 1 — 802735-01 Dynamic 56" Cable with PJ-068 Plug, with preamp
- 2 — 802735-02 Dynamic 56" Cable with Switch, with preamp
- 3 — 802736-01 Carbon 54" Cable
- 4 — 802736-02 Carbon 54" Cable with Switch
- 5 — 803573-01 Carbon 55" Cable with Cannon MC11E-8-3SN Plug
- 6 — 802735-03 Dynamic 75" Cable
- 7 — 803508-01 Dynamic 63" Cable with PJ-068 Plug
- 8 — 803508-02 Dynamic 103" Cable with PJ-068 Plug
- 9 — Kit P/N 200365 Dynamic M101/A1C Carter Eng'n Communication Cable Assy.
- A — 803601-02 Dynamic (CE-101M) 71" Cable with Built-In Preamp
- B — 803508-03 Dynamic 87" Cable with PJ-068 Plug

Regulator

- 1 — 802601-45 Diluter-Demand (20,000 ft. Max. Dilution)
- 2 — 802601-46 Diluter-Demand with Adjustable Purge (20,000 ft. Max. Dilution)
- 4 — 802730-04 Diluter-Demand with Emergency Pressure (40,000 ft. Max. Dilution)
- 5 — 802601-47 Diluter-Demand with Emergency Pressure (20,000 ft. Max. Dilution)
- 6 — 802730-08 Diluter-Demand with Emergency Pressure (40,000 ft. Max. Dilution)
- A — 802730-09 Diluter-Demand with Emergency Press., w/90° Elbow (40,000 ft. Max. Dilution)
- B — 802730-10 Diluter-Demand with Emergency Press., w/90° Elbow (40,000 ft. Max. Dilution)
- C — 802730-11 Diluter-Demand with Emerg. Press., Swivel Hose Connector (40,000 ft. Max. Dilution)
- D — 802730-12 Diluter-Demand with Emerg. Press., Swivel Hose Connector (40,000 ft. Max. Dilution)
- E — 802601-48 Diluter-Demand with Swivel Hose Connector (20,000 ft. Max. Dilution)
- F — 802601-49 Diluter-Demand with Adjustable Purge & Swivel Hose Connector (20,000 ft. Max. Dilution)
- G — 802601-50 Diluter-Demand with Emergency Pressure & Swivel Hose Connector (20,000 ft. Max. Dilution)

Only regulators 4,5,6,8,A,B,C,D are approved to meet TSO-C99 when used with P/N 322-70 Smoke Goggles only. All above regulators meet TSO-C89.

Hose

- 0 — None
- 1 — 802737-1X 48" Hose with Flow Indicator
- 3 — 802737-3X 54" Hose with Flow Indicator
- 5 — 802737-5X 60" Hose with Flow Indicator
- 6 — 802737-6X 100" Hose with Flow Indicator
- 7 — 802737-7X 84" Hose with Flow Indicator

Hose Connector

- 1 — 802624-01 AVOX 8570 Type

- 2 — 802627-01 Cessna Type

- 3 — 36857-01 Modified AN Beech Type

- 4 — 802857-03 Female Quick Disconnect

- 7 — 10008286 Male Plug Quick Disconnect Perfecting Corp. AIFI-H-C
- 8 — 10007498 Special Regulator Mounted Male Disconnect (Perfecting Corp. Series 1A)
- 9 — 10006837 1/8 Male ANPT